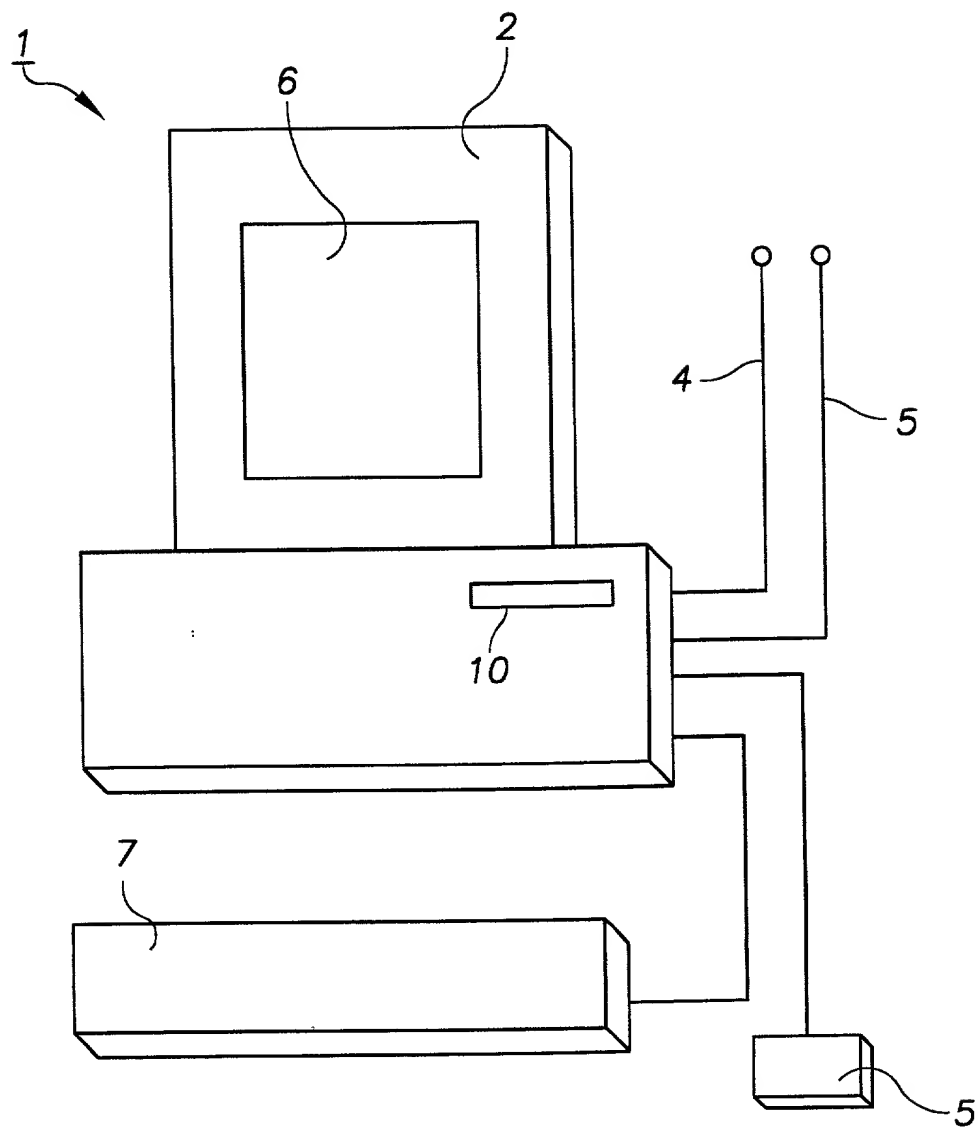
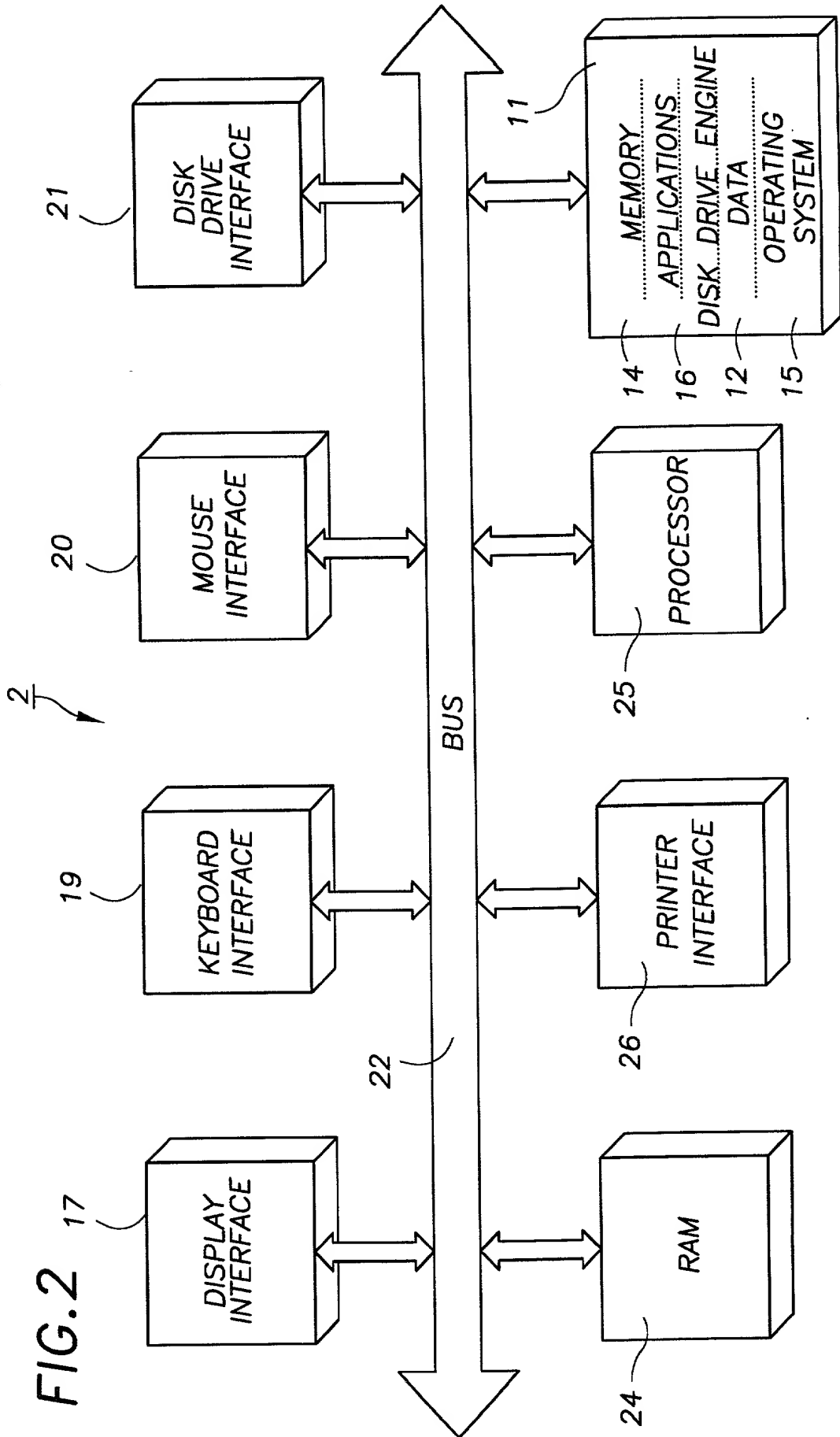


FIG. 1





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FIG.3

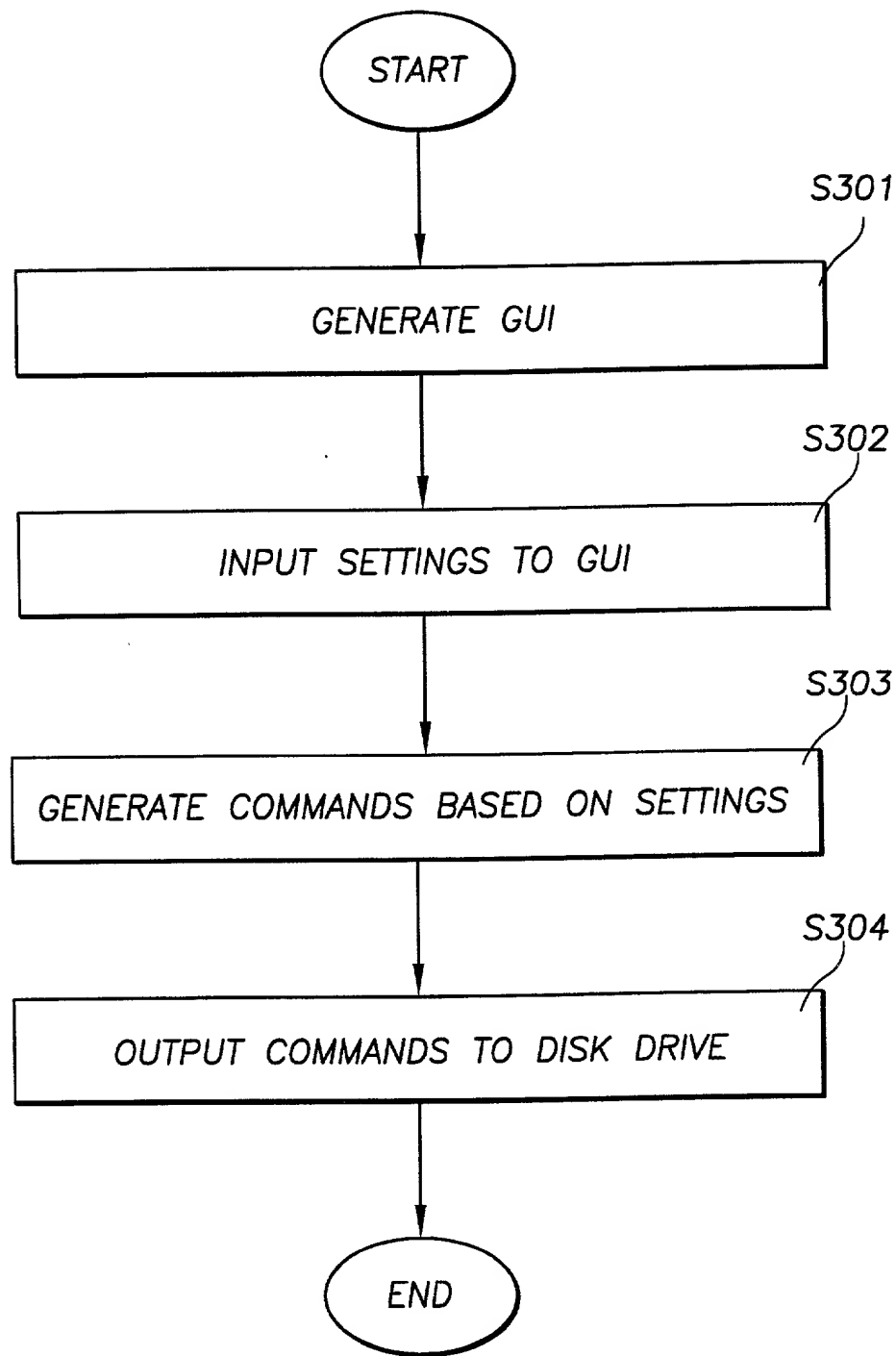


FIG. 4

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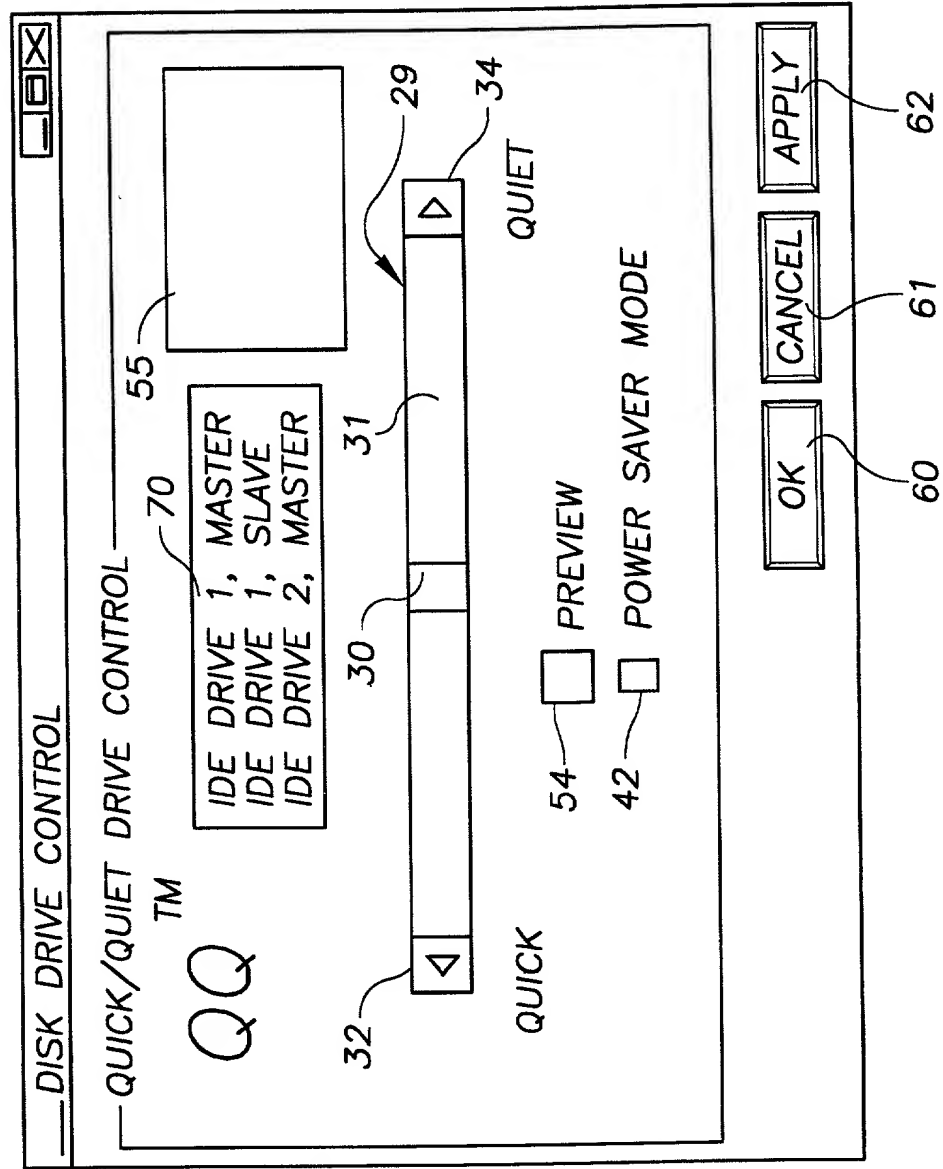


FIG. 5

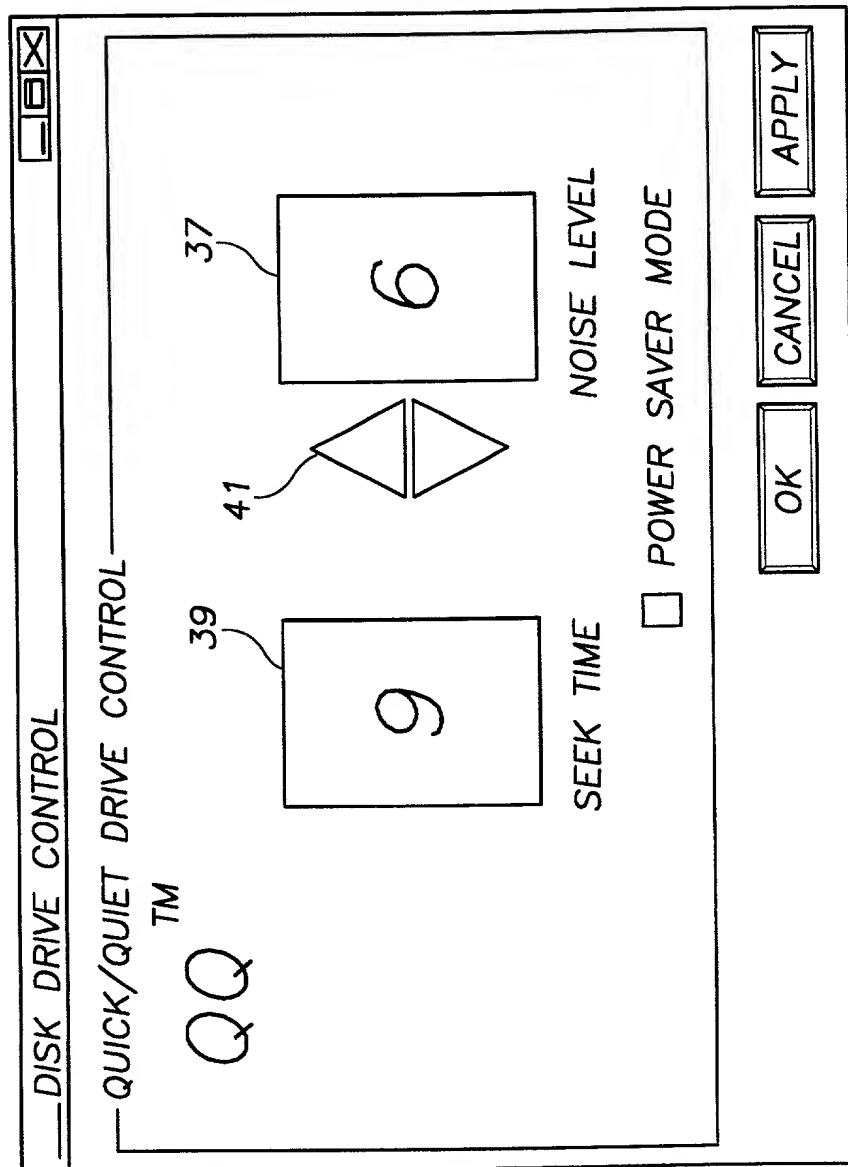


FIG. 6

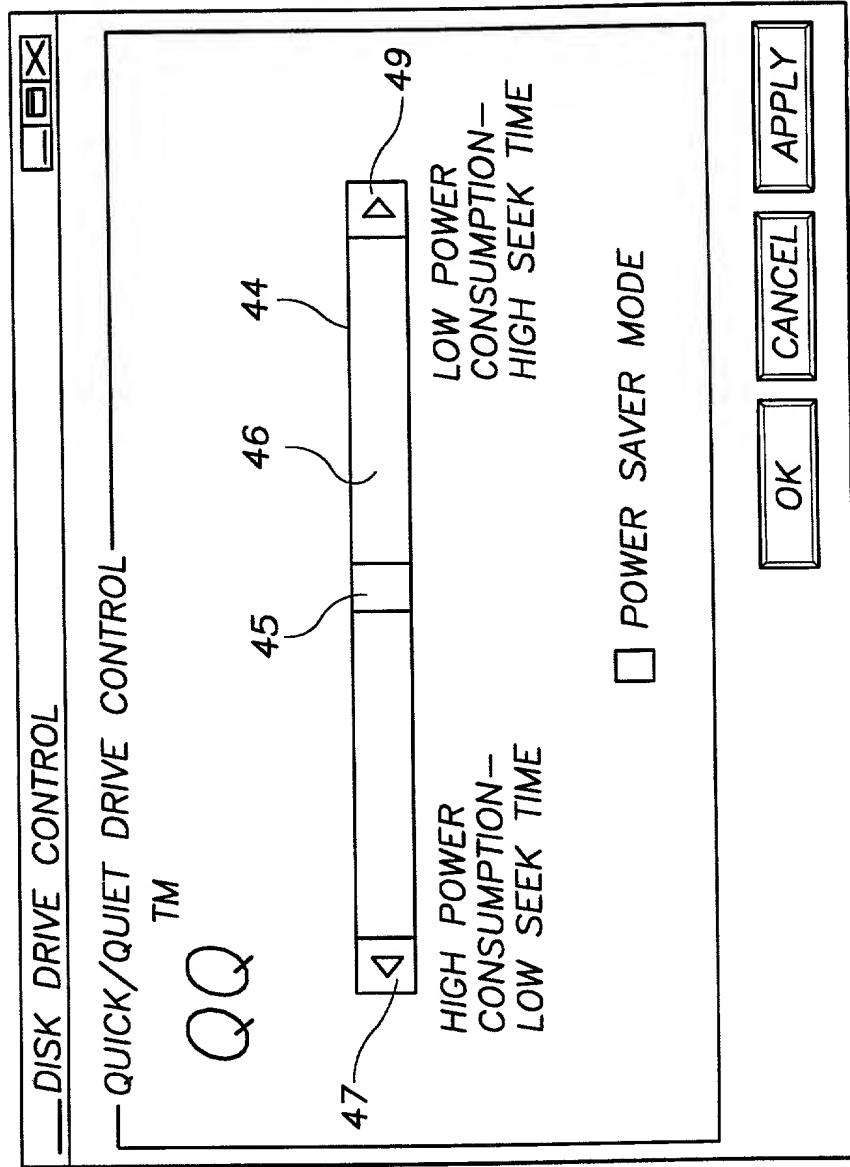
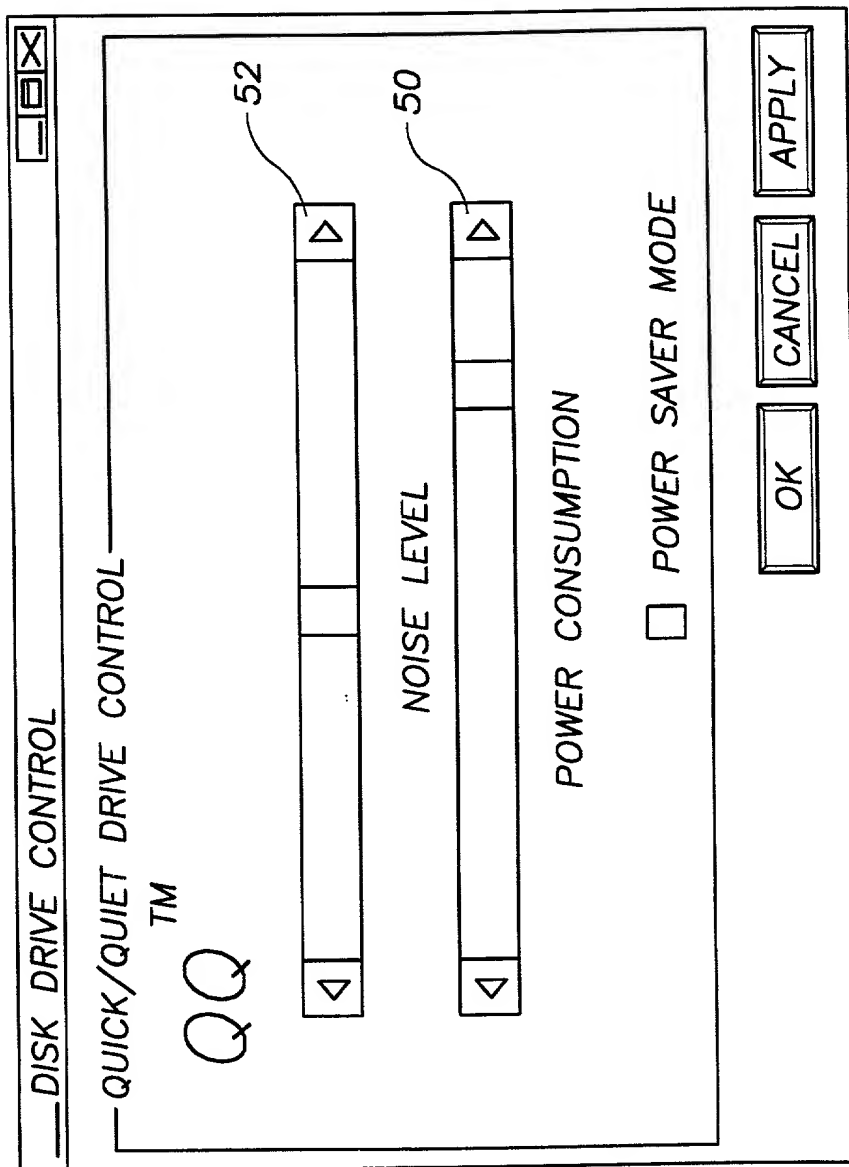


FIG. 7



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FIG. 8

DISK DRIVE CONTROL

— QUICK/QUIET DRIVE CONTROL —

QQTM

9

SEEK TIME

NOISE LEVEL

6

POWER CONSUMPTION

2

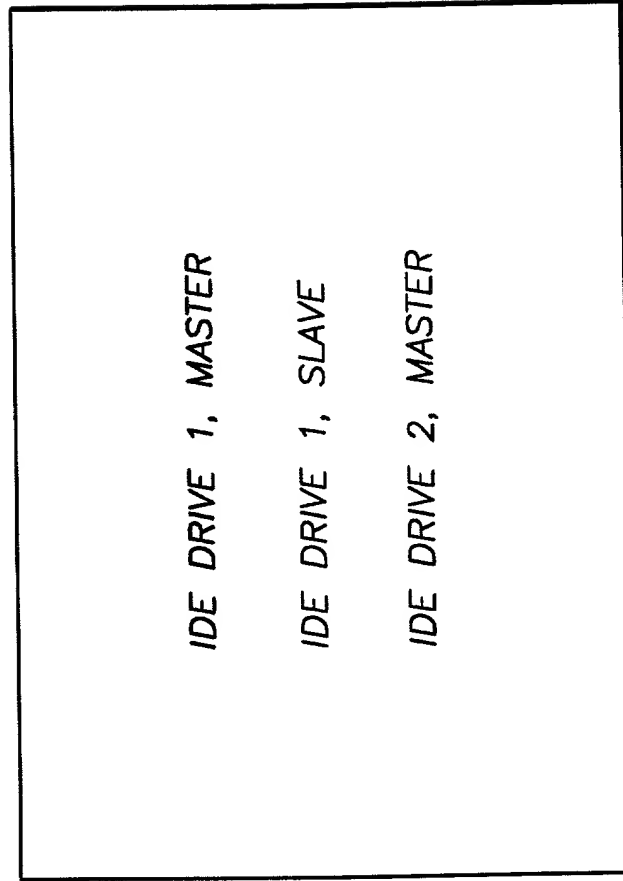
☐ POWER SAVER MODE

OK

CANCEL

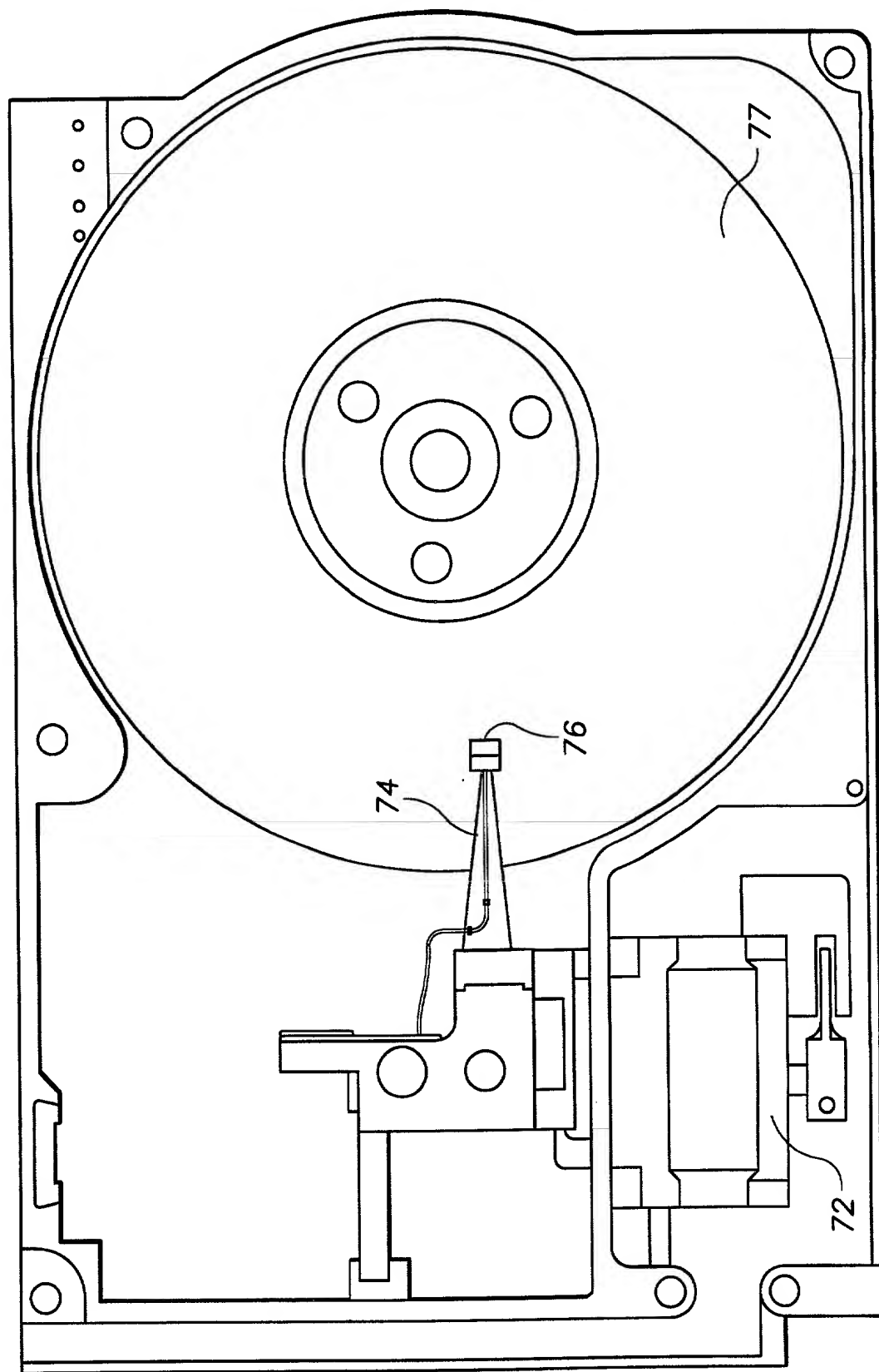
APPLY

FIG.9



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FIG. 10A



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FIG. 10B

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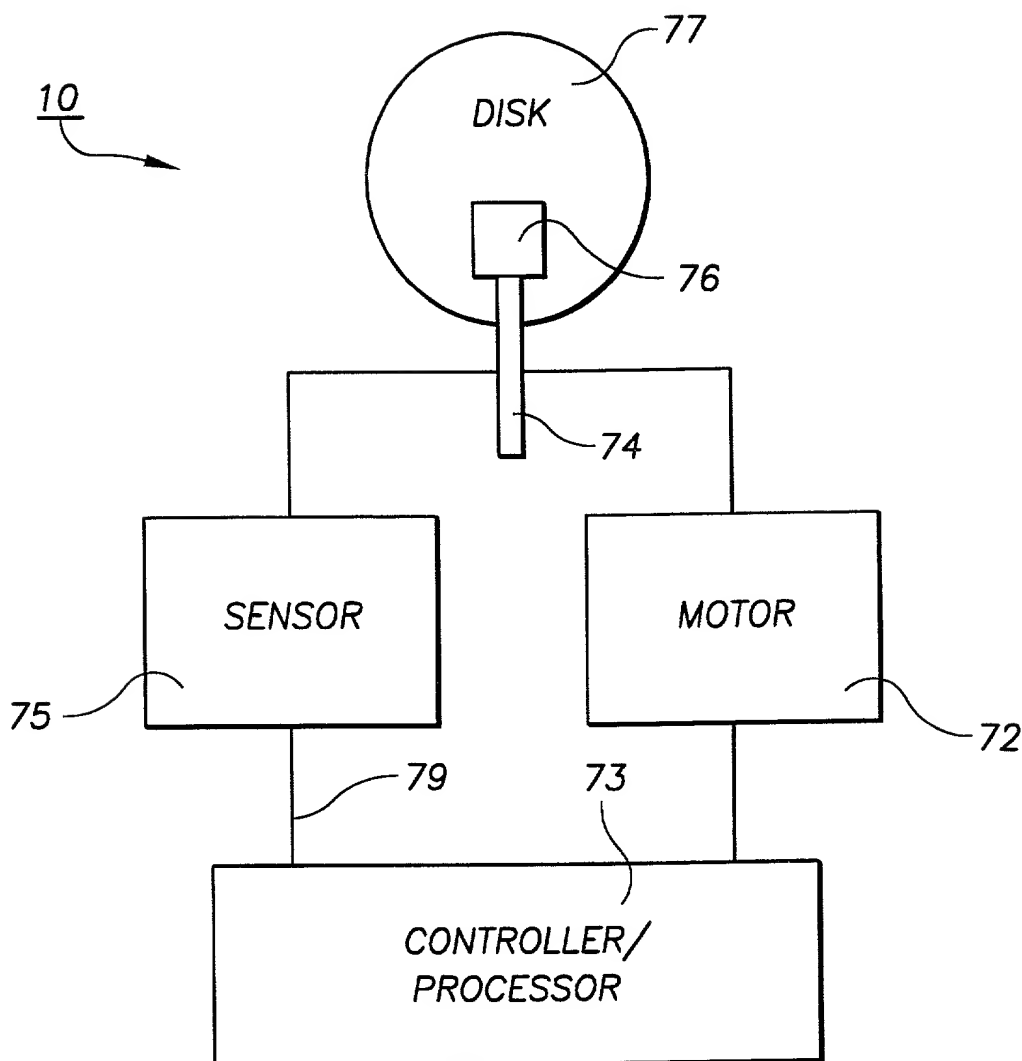


FIG. 11

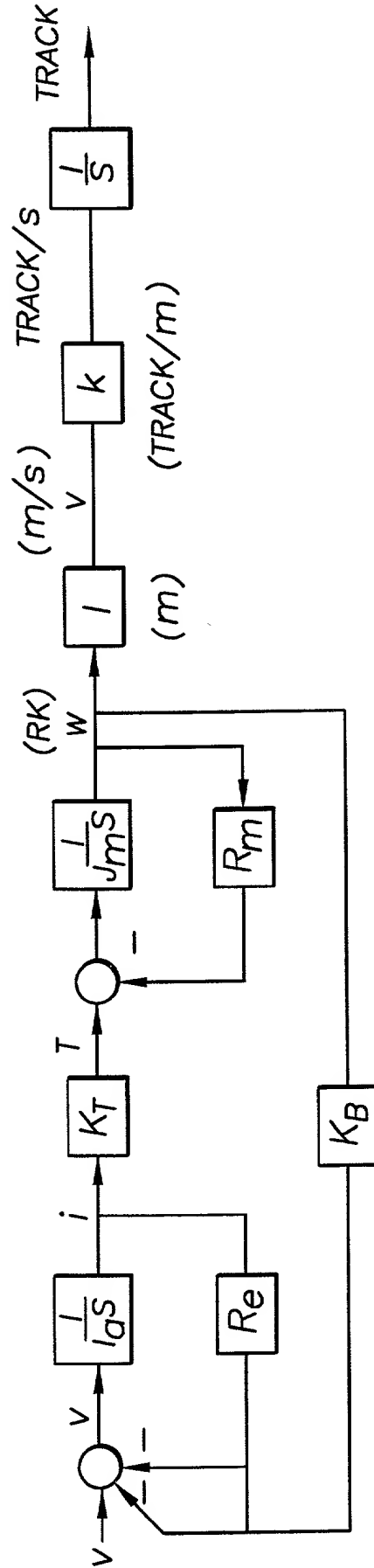


FIG. 12

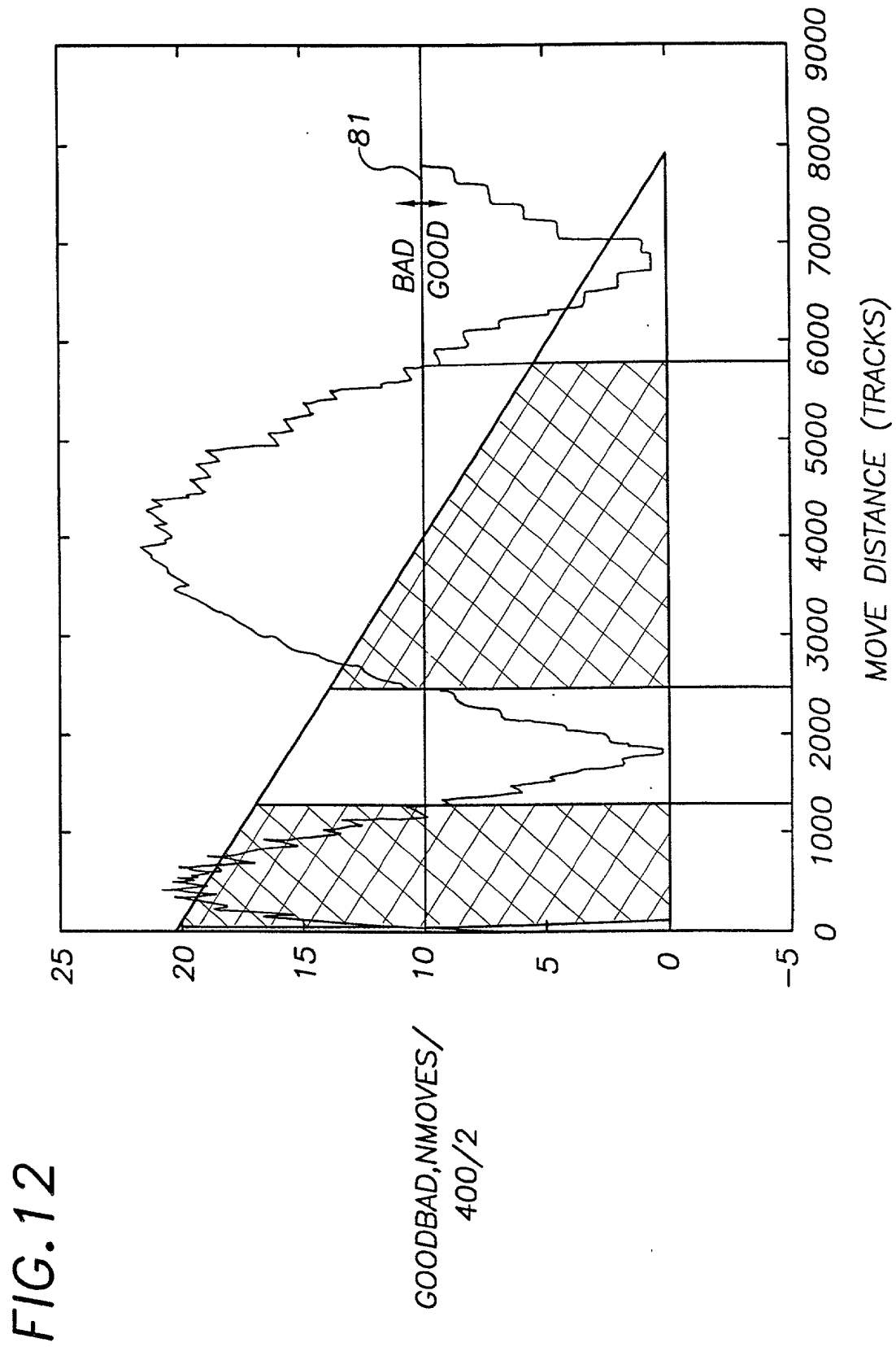


FIG. 13

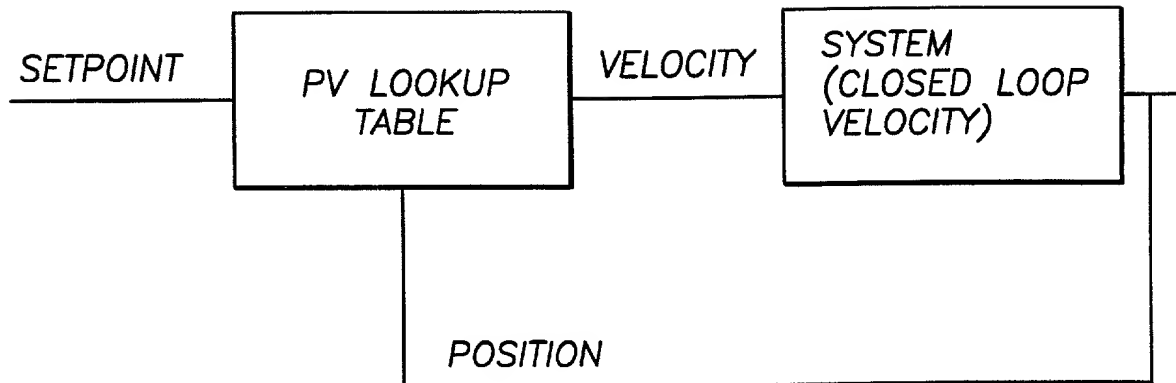
PRIOR ART

FIG. 14

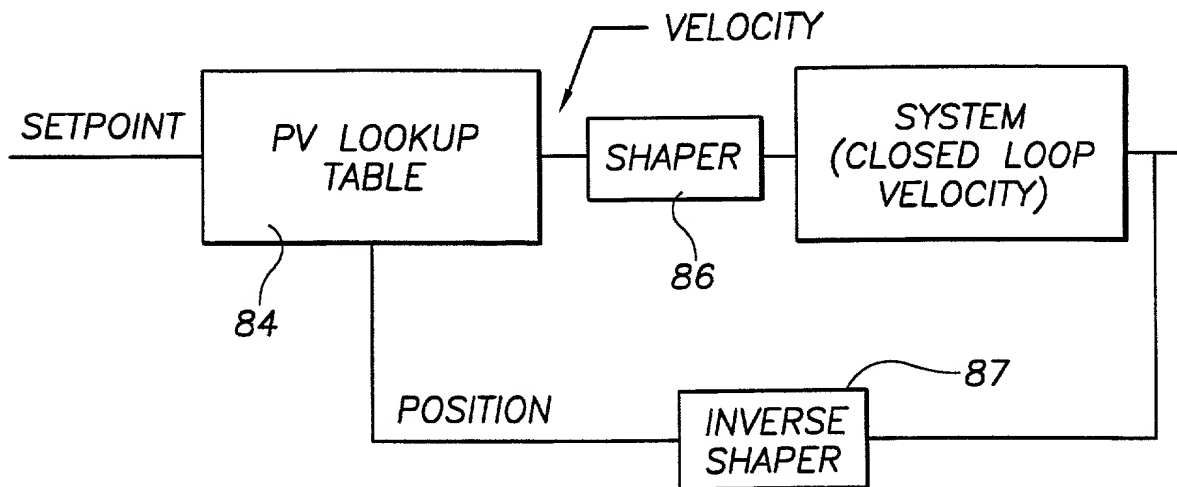


FIG. 15

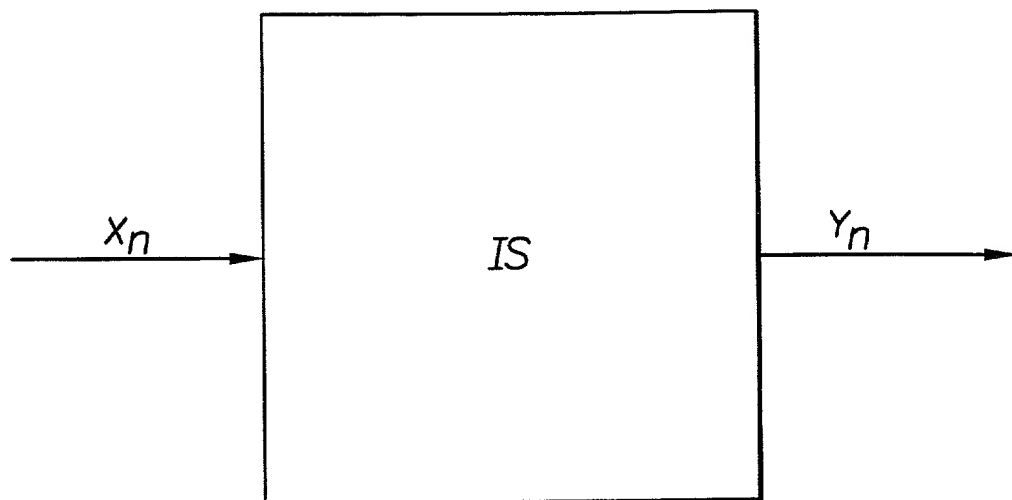


FIG. 16

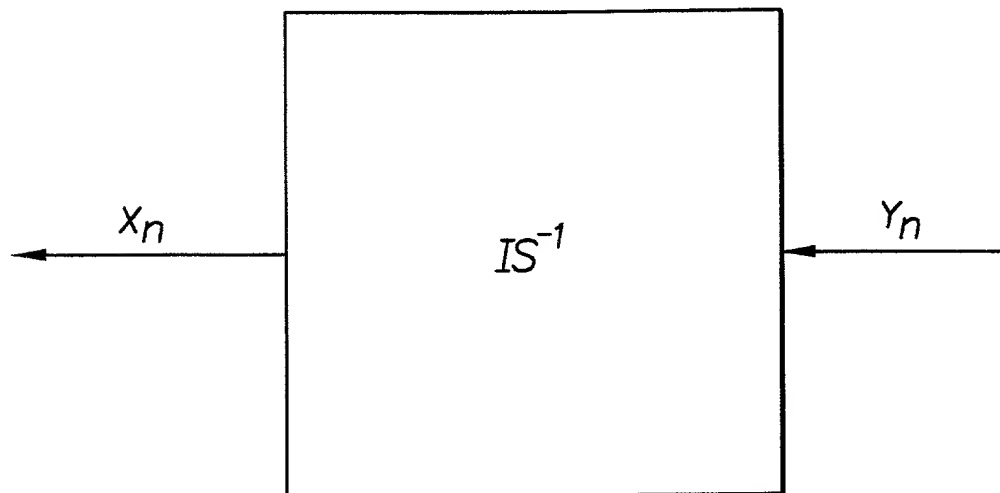


FIG.17

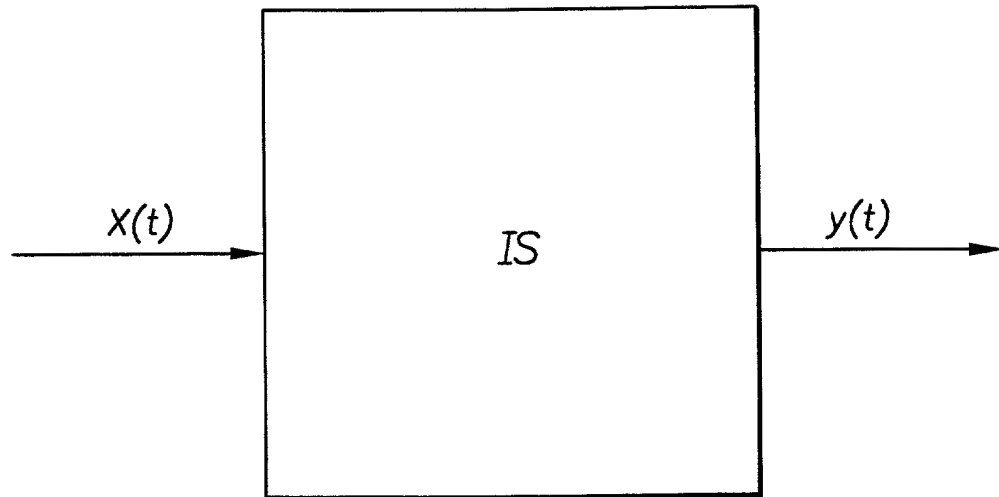


FIG18

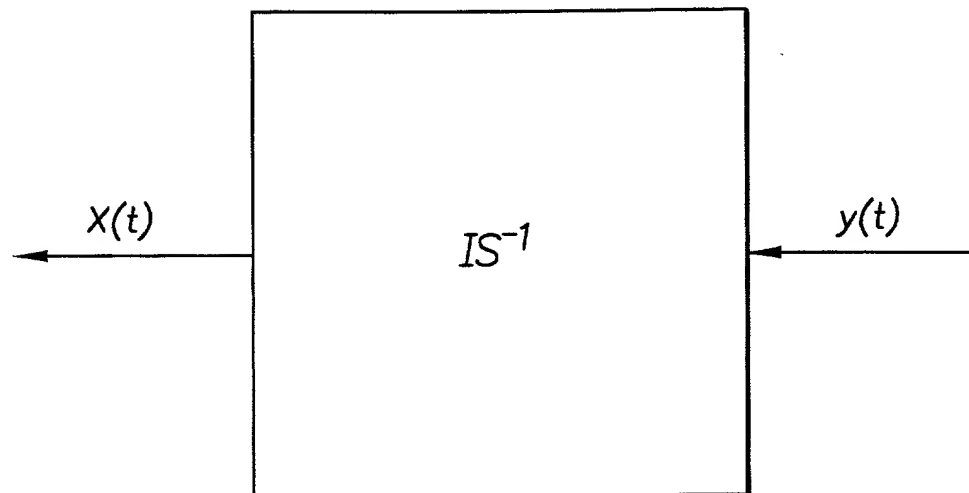


FIG. 19

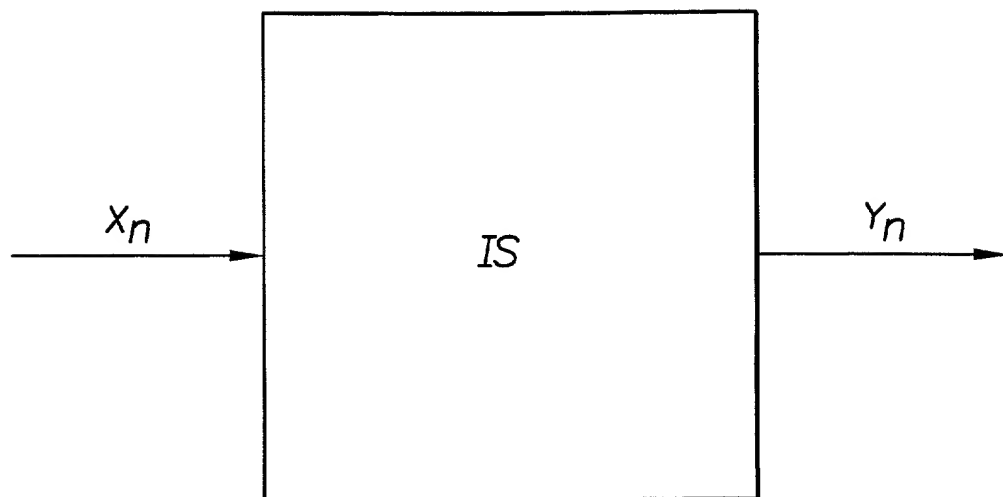


FIG. 20

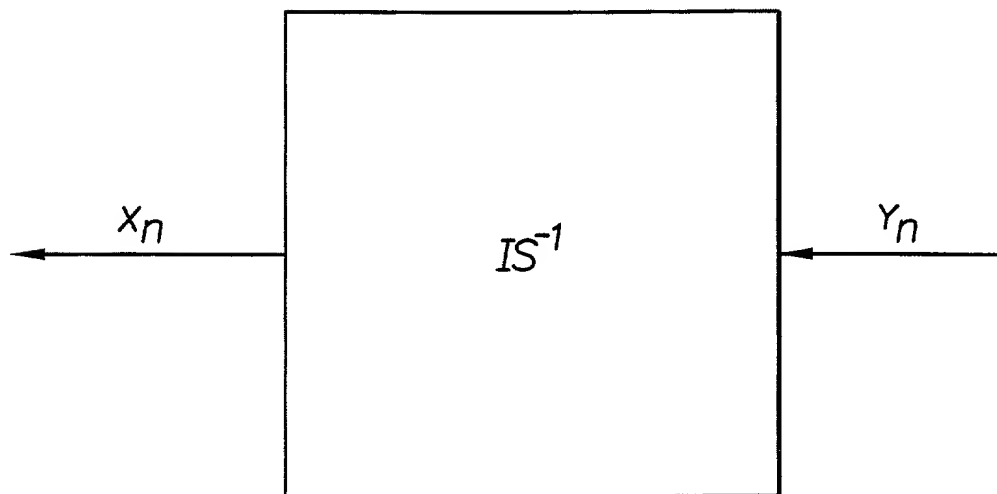


FIG. 21

PV CURVES FOR 100, 500,
AND 1000 TRACK MOVES

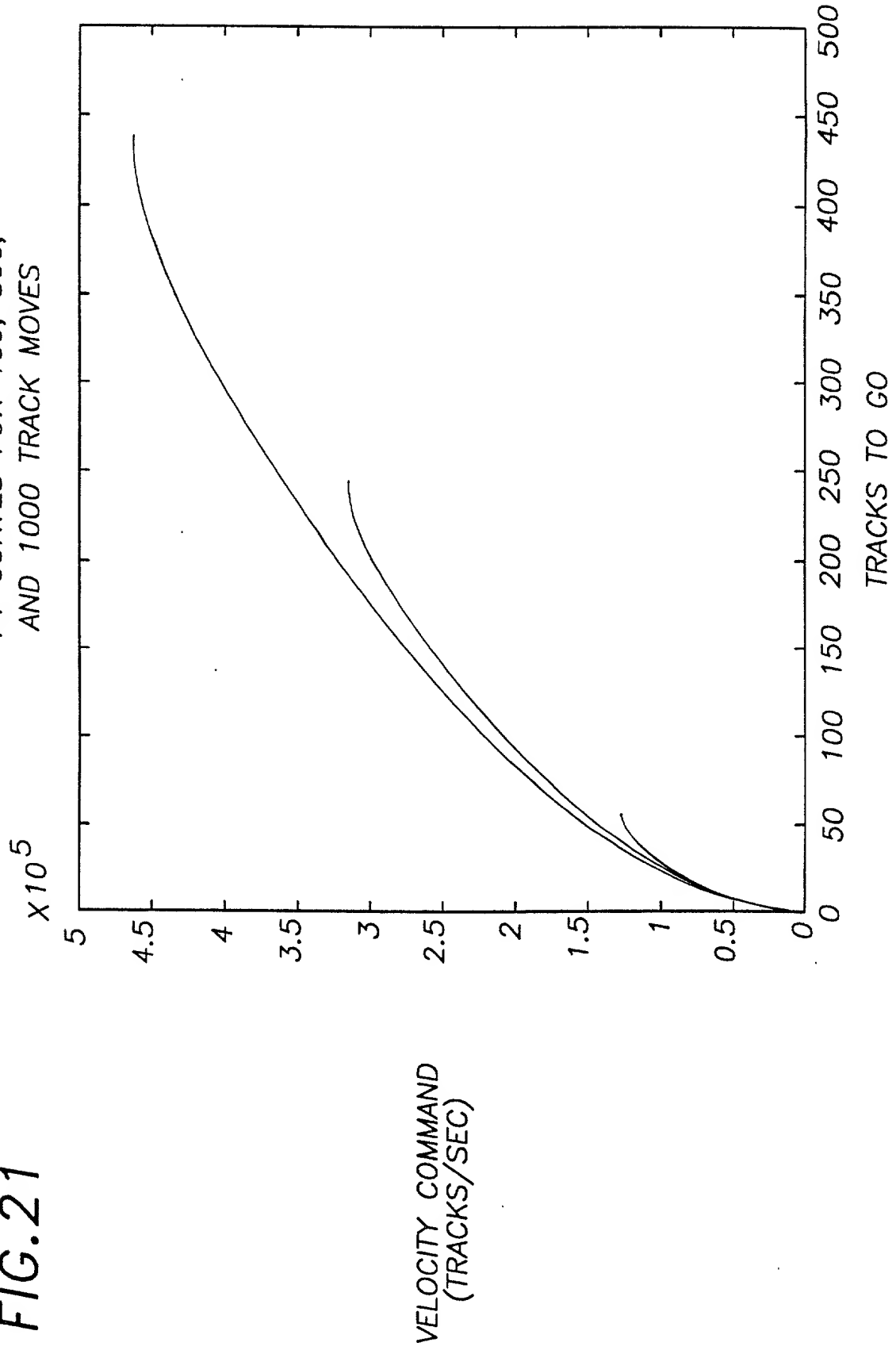


FIG. 22

NORMALIZED PV CURVES FOR 100,
500, 1000, 3000 TRACK MOVES

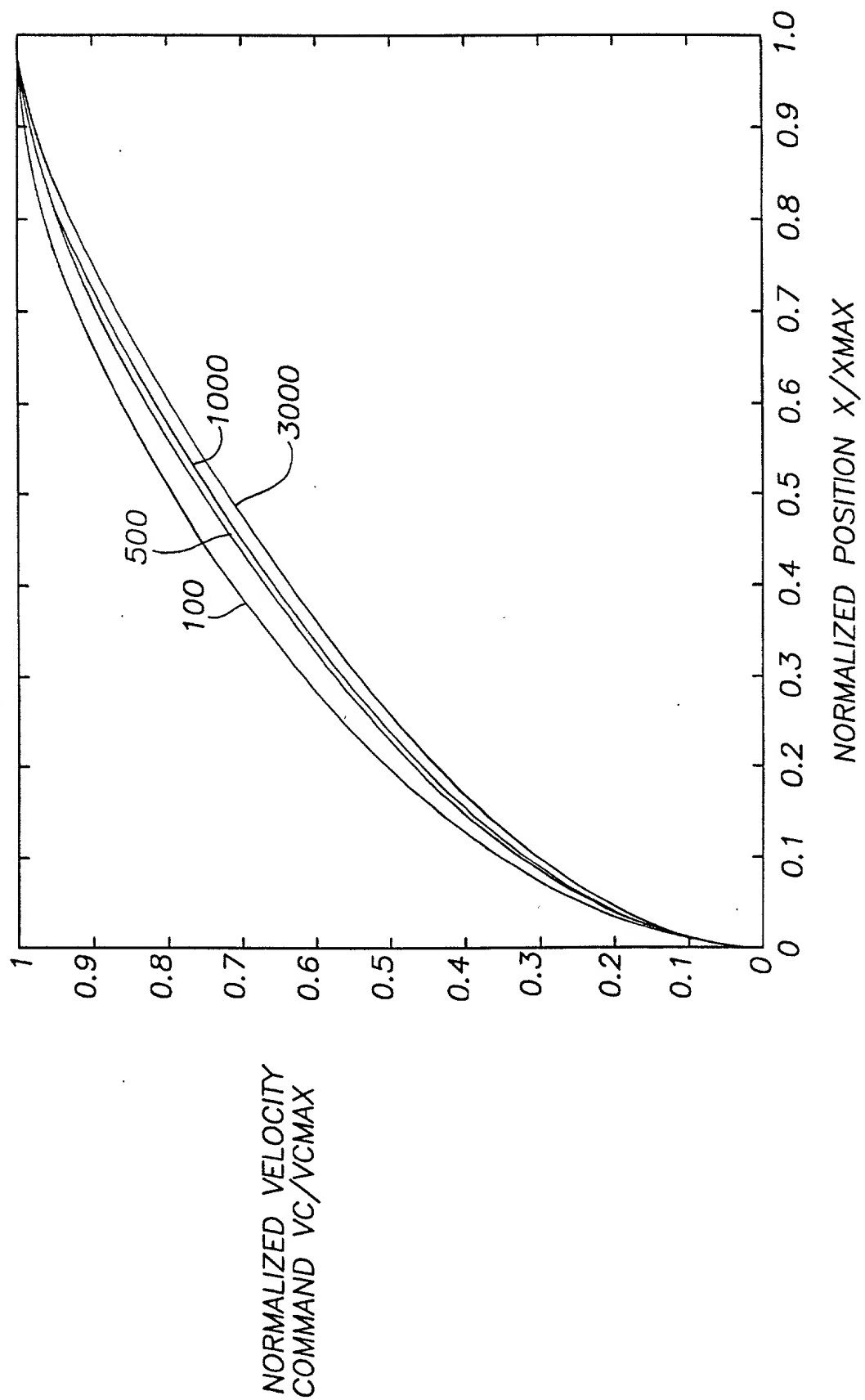


FIG. 23A

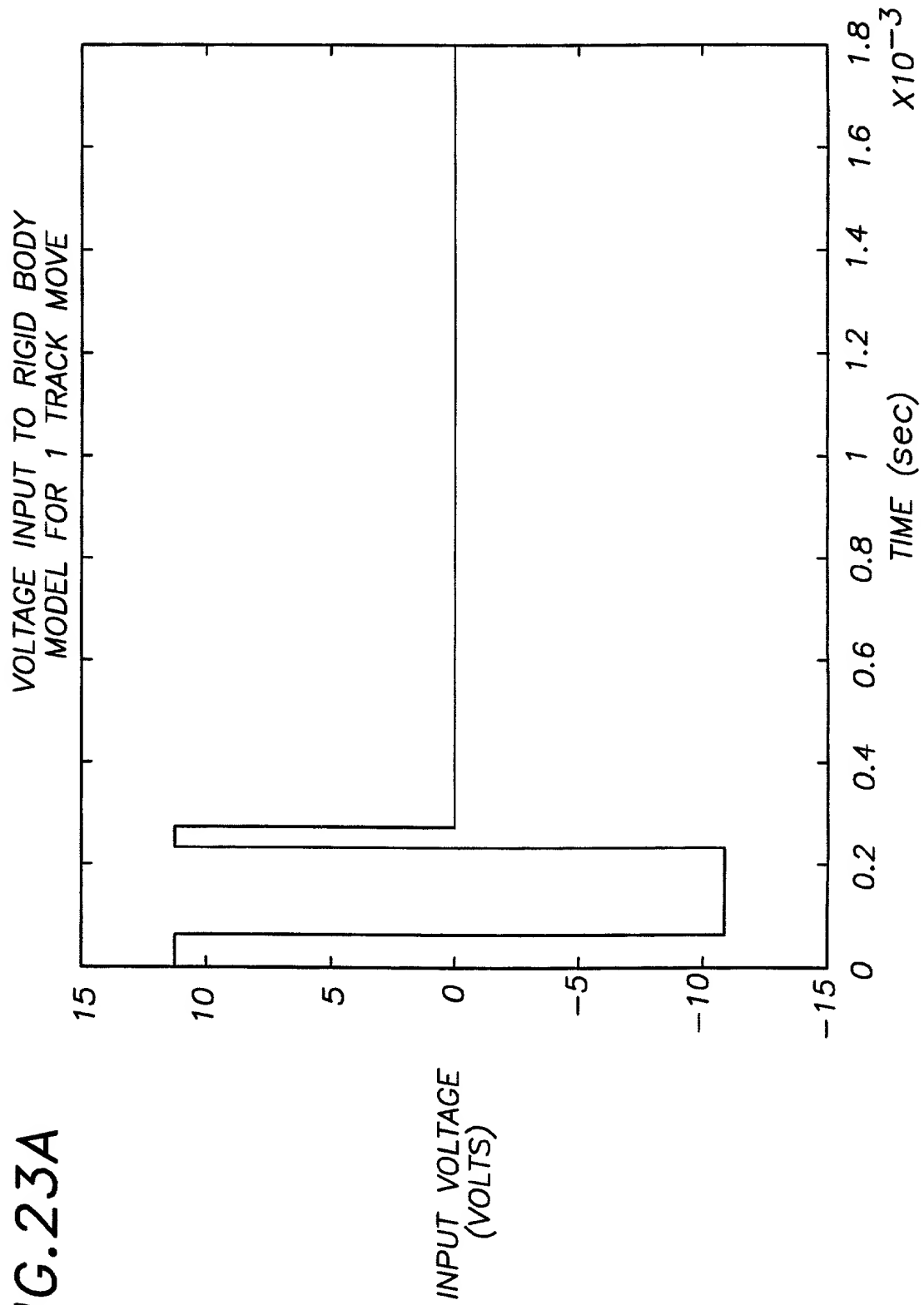


FIG. 23B

VOLTAGE INPUT TO RIGID BODY
MODEL FOR 3000 TRACK MOVE

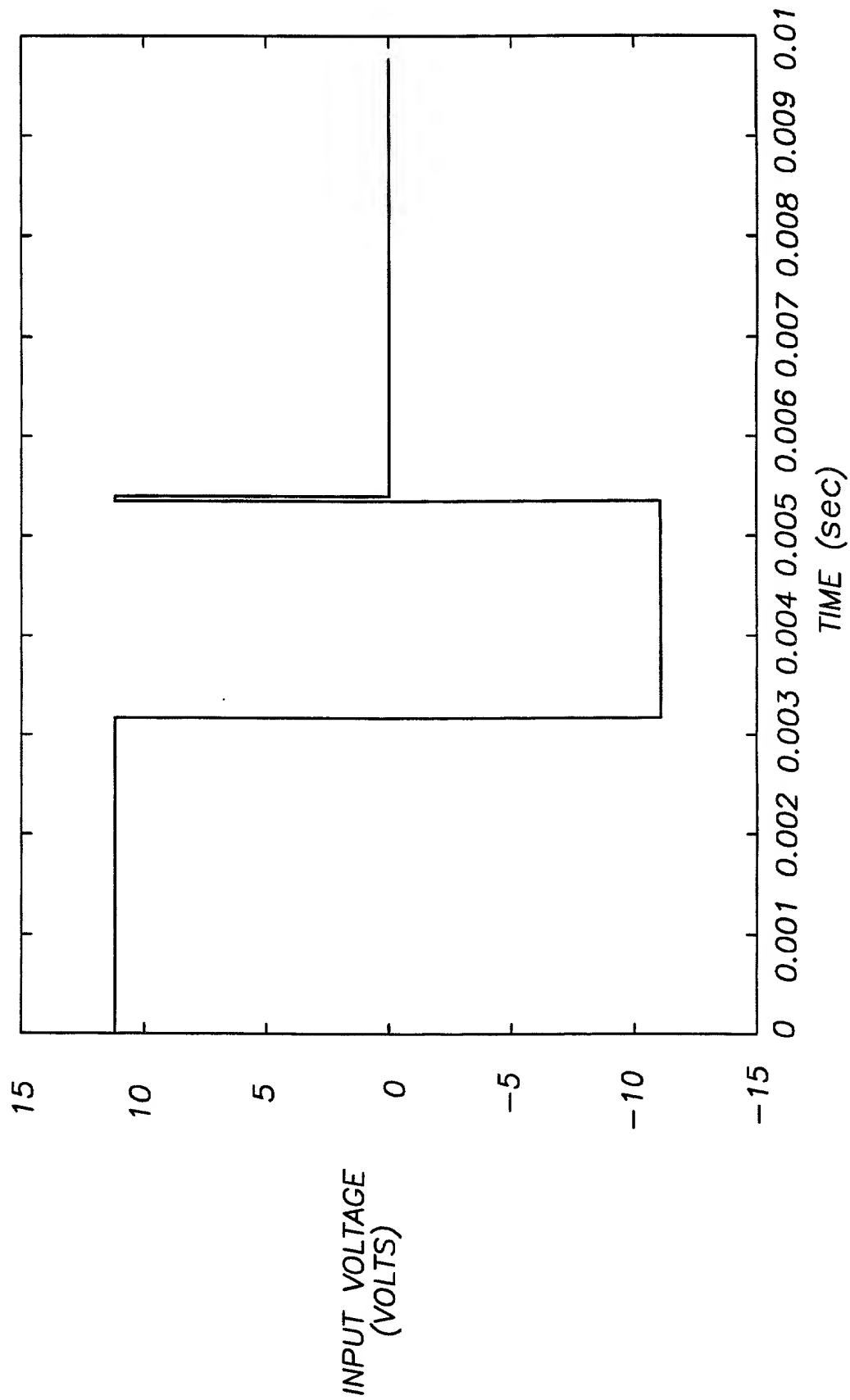


FIG.24

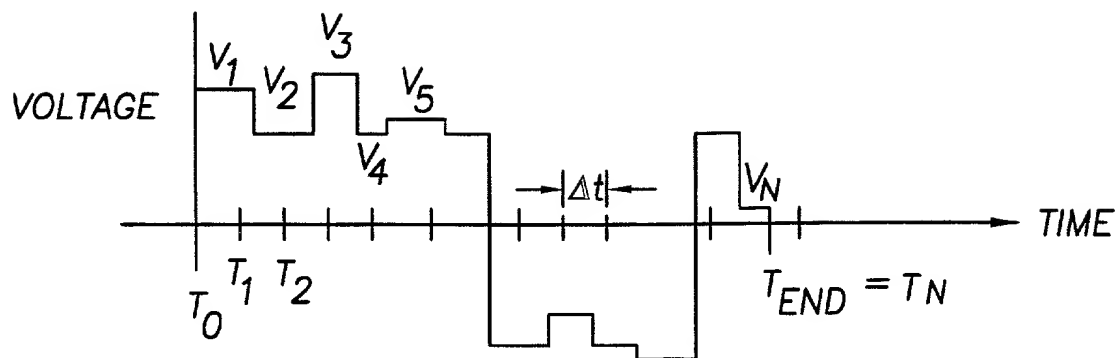


FIG.25

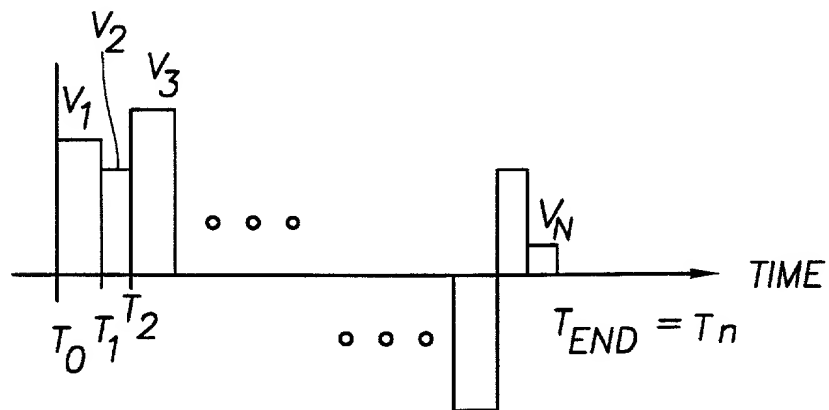


FIG.26

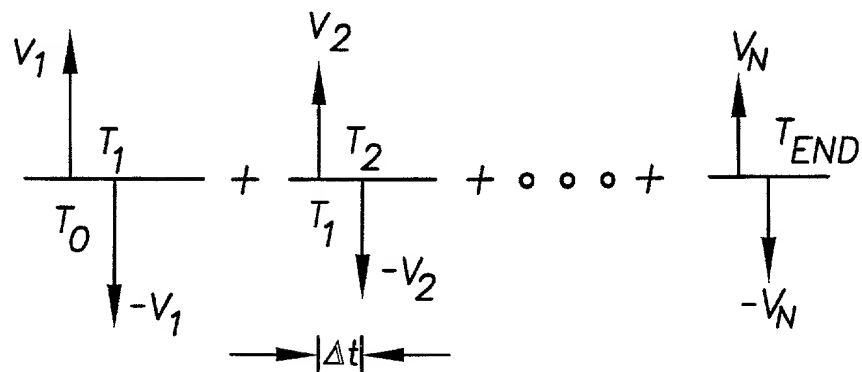


FIG.27

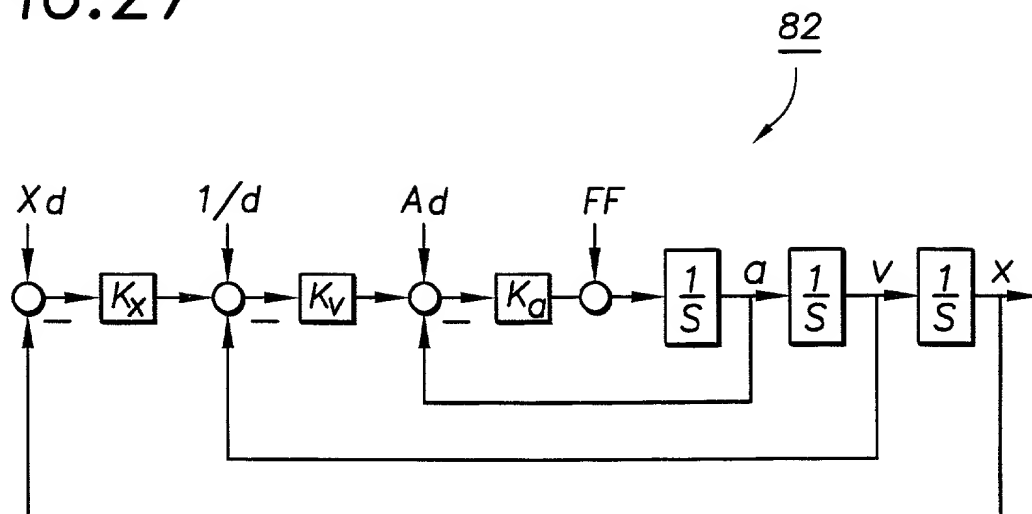
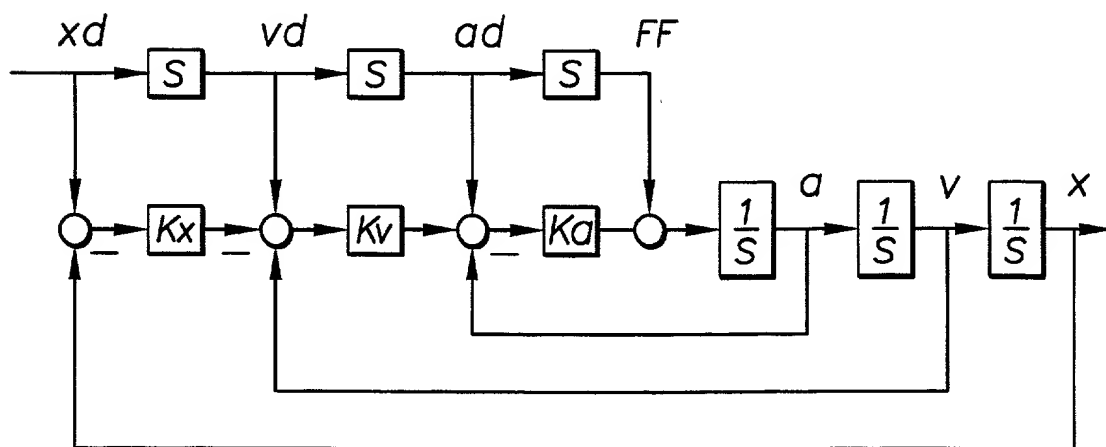


FIG.28



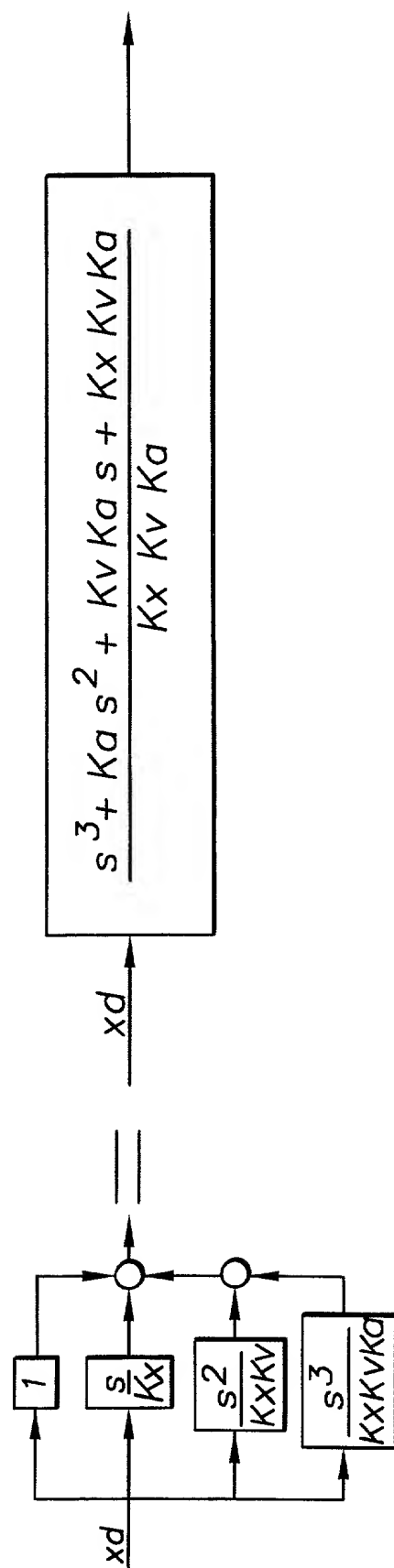
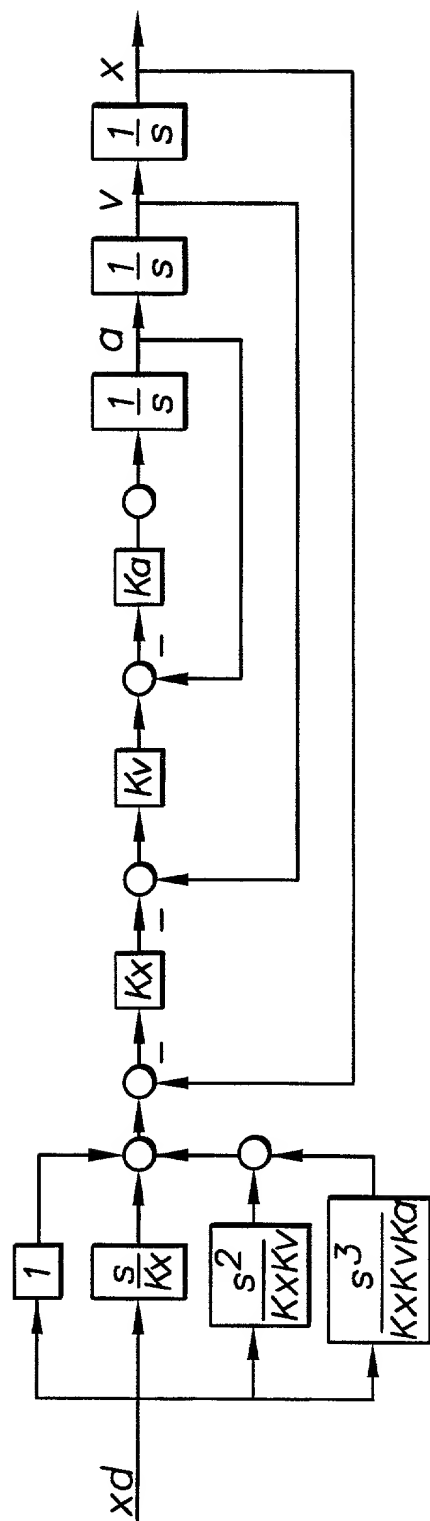


FIG. 31

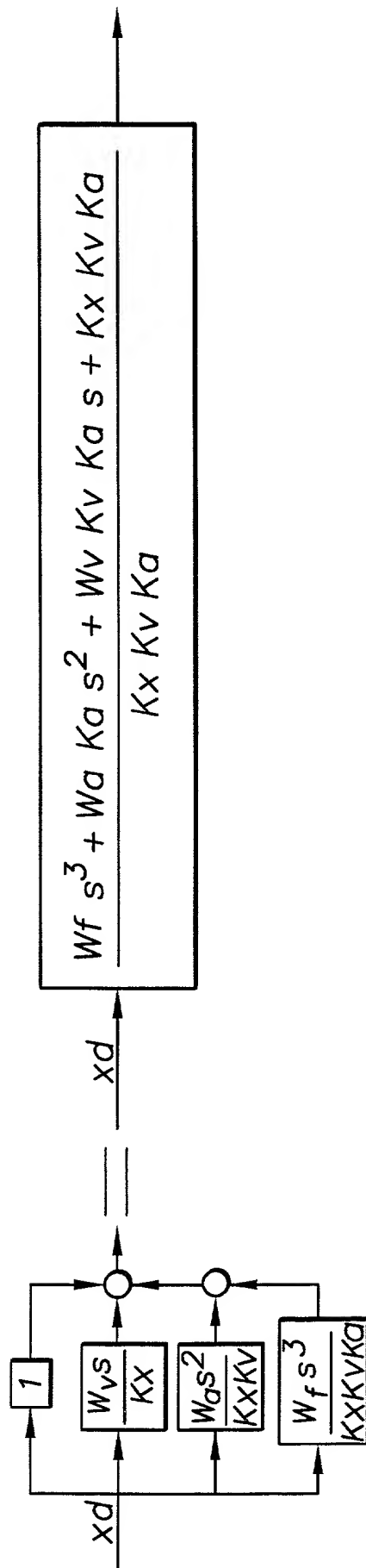


FIG. 32

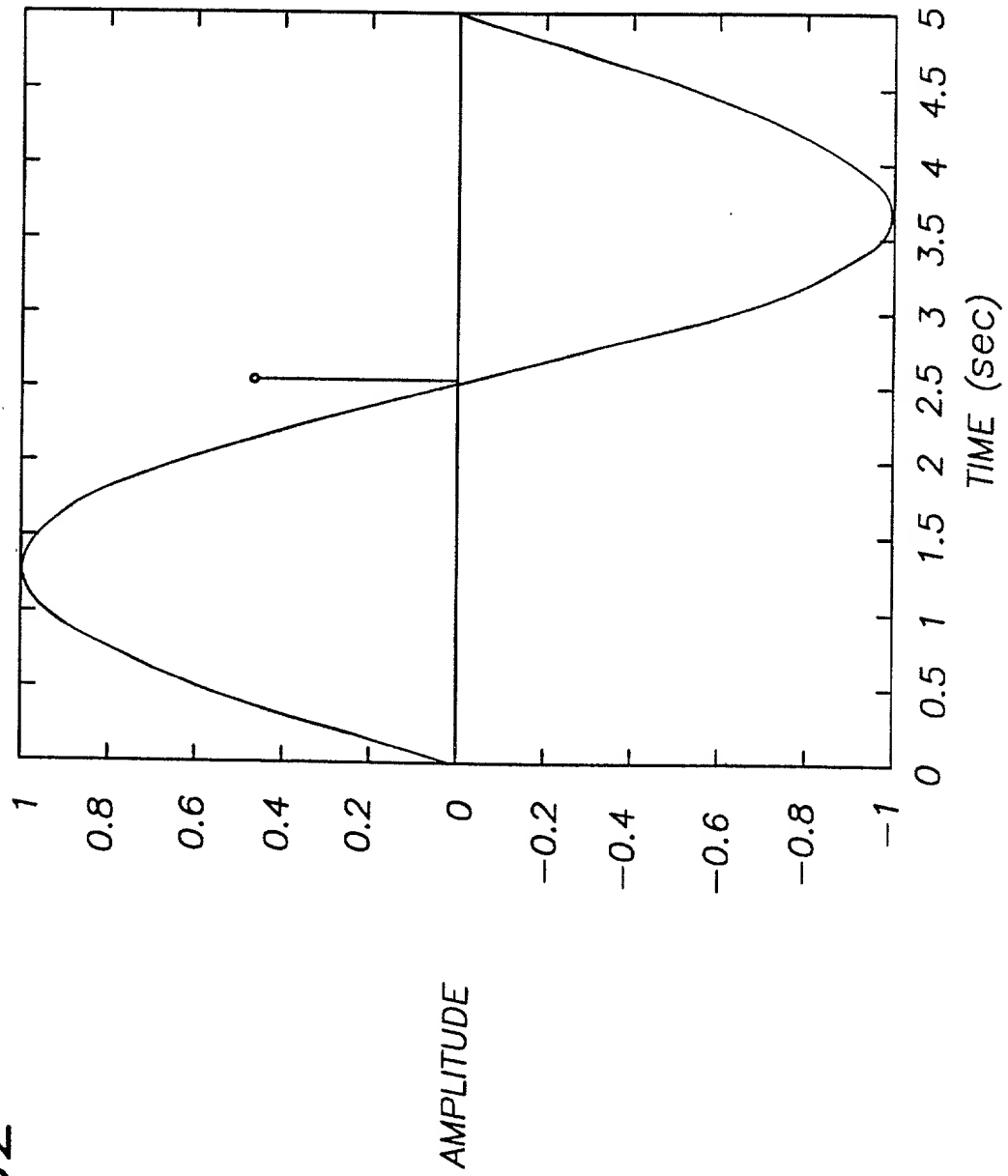


FIG.33

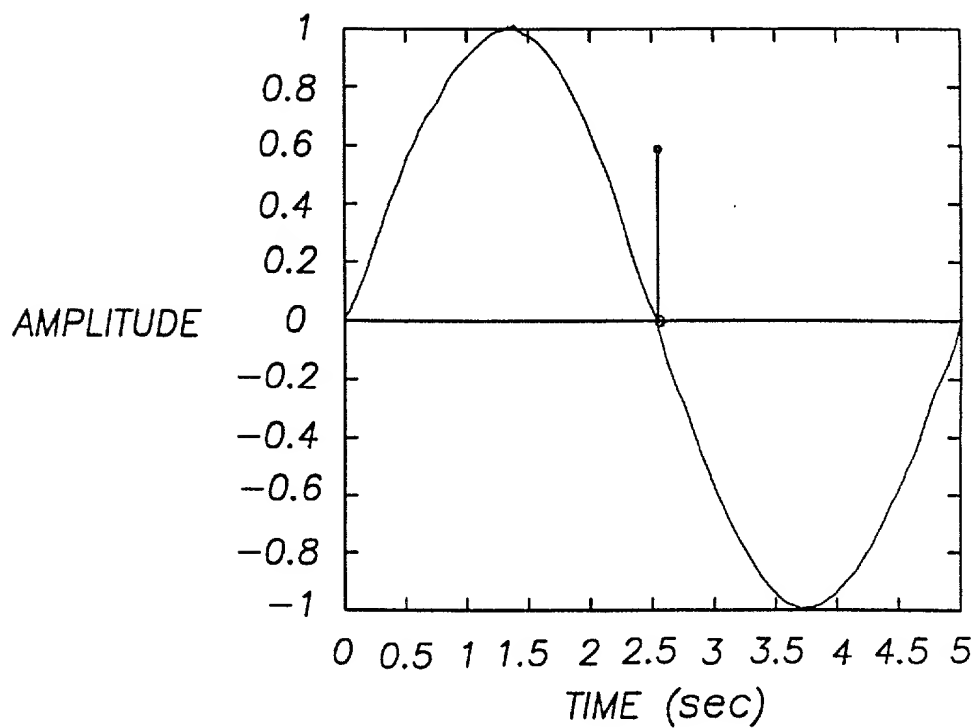


FIG.34

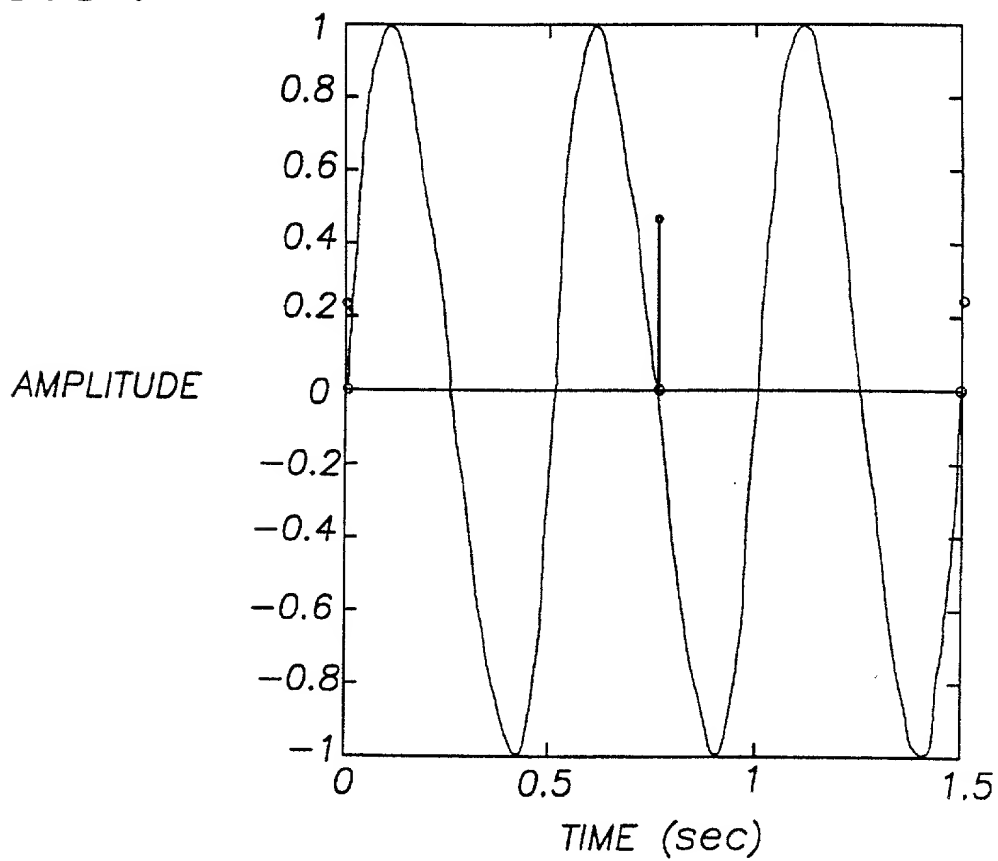


FIG. 35

